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ESM1/0904

OLIFF AND BERRIDGE  
P O BOX 19928  
ALEXANDRIA VA 22329

NOTICE OF ALLOWANCE  
AND ISSUE FEE DUE

Note attached communication from the Examiner  
 This notice is issued in view of applicant's communication filed \_\_\_\_\_

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
First Named Applicant 08/452,732	05/30/85	013	TON, M	7/15 09/04/86

TITLE OF INVENTION	ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
FULKE, RONALD T. METHOD OF MANUFACTURING ACTIVE MATRIX LCD USING FIVE MASKS IS AMENDED	JAO-04050	359-059.000	DES	UTILITY	NO	\$1750.00	12/04/86

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.**  
**PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

I. Review the SMALL ENTITY Status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or  
B. If the Status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay FEE DUE shown above, or  
B. File verified statement of Small Entity Status before, or with, pay of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.

III. All communications regarding this application must give series code (or filing date), serial number and batch number. Please direct all communication prior to issuance to Box ISSUE FEE unless advised to contrary.

**IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**



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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/453,732	05/30/95	FULKS	R JAO-34050
			EXAMINER TON,M
		ESM1/0904	
OLIFF AND BERRIDGE P O BOX 19928 ALEXANDRIA VA 22320			ART UNIT PAPER NUMBER 2515 #7
DATE MAILED: 09/04/96			

#### NOTICE OF ALLOWABILITY

##### PART I.

1.  This communication is responsive to 06-06-96 Amendment
2.  All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
3.  The allowed claims are 1-13
4.  The drawings filed on \_\_\_\_\_ are acceptable.
5.  Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [...] been received. [...] not been received. [...] been filed in parent application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_
6.  Note the attached Examiner's Amendment.
7.  Note the attached Examiner Interview Summary Record, PTO-413.
8.  Note the attached Examiner's Statement of Reasons for Allowance.
9.  Note the attached NOTICE OF REFERENCES CITED, PTO-892.
10.  Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

##### PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

1.  Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
2.  APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
  - a.  Drawing Informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. 4. CORRECTION IS REQUIRED.
  - b.  The proposed drawing correction filed on 06-06-96 has been approved by the examiner. CORRECTION IS REQUIRED.
  - c.  Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
  - d.  Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

##### Attachments:

- Examiner's Amendment
- Examiner Interview Summary Record, PTO-413
- Reasons for Allowance
- Notice of References Cited, PTO-892
- Information Disclosure Citation, PTO-1449

- Notice of Informal Application, PTO-152
- Notice re Patent Drawings, PTO-948
- Listing of Bonded Draftsmen
- Other

**Allowable Subject Matter**

1. Claims 1-13 are allowable over the prior art of record.
2. The following is an Examiner's statement of reasons for the indication of allowable subject matter:

None of the prior arts of record teaches or discloses a method for manufacturing an active matrix liquid crystal device using five masks comprising : forming a plurality of gate electrodes over a substrate using a first mask; forming a plurality of etch stoppers over the gate electrodes using a second mask; forming a plurality of drain & source electrodes using a third mask, wherein the drain & source electrodes are separated over the corresponding ~~over~~ one of the etch stoppers; forming a passivation layer over the substrate having at least one via hole using a ~~first~~ <sup>fourth</sup> mask; and forming a pixel electrode over the passivation layer using a fifth mask.

**Drawings**

3. The proposed drawing correction and/or the proposed substitute sheets of drawings, filed on 06-06-96 have been accepted by the Examiner.
4. Applicant is reminded that in order to avoid an abandonment of this application, the drawings must be corrected in accordance with the instructions set forth in Paper No. 4, mailed on 04-19-95.

Serial Number: 08/453732  
Art Unit: 2515

-3-

*Conclusion*

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Aoki et al [PN 4928231] disclose a liquid crystal display device and method of manufacturing the same.

*Contact Information*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to T. TON whose telephone number is (703) 305-3489.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

T. TON  
August 26, 1996

*Anita Pelleman Gross*  
ANITA PELLMAN GROSS  
PRIMARY EXAMINER  
GROUP 2500



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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
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DATE MAILED:

**NOTICE OF INFORMAL APPLICATION**

(Attachment to Office Action)

This application does not conform with the rules governing applications for the reason(s) checked below. The period within which to correct these requirements and avoid abandonment is set in the accompanying Office action.

A. A new oath or declaration, identifying this application by the application number and filing date is required. The oath or declaration does not comply with 37 CFR 1.63 in that it:

1.  does not identify the city and state or foreign country of residence of each inventor.
2.  does not identify the citizenship of each inventor.
3.  does not state whether the inventor is a sole or joint inventor.
4.  does not state that the person making the oath or declaration:
  - a.  has reviewed and understands the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration.
  - b.  believes the named inventor or inventors to be the original and the first inventor or inventors of the subject matter which is claimed and for which a patent is sought.
  - c.  acknowledges the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.
5.  does not identify the foreign application for patent or inventor's certificate on which priority is claimed pursuant to 37 CFR 1.55, and any foreign application having a filing date before that of the application on which priority is claimed, by specifying the application serial number, country, day, month, and year of its filing.
6.  does not state that the person making the oath or declaration acknowledges the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and filing date of the continuation-in-part application which discloses and claims subject matter in addition to that disclosed in the prior application (37 CFR 1.63(d)).
7.  does not include the date of execution.
8.  does not use permanent ink, or its equivalent in quality, as required under 37 CFR 1.52(a).
9.  contains non-initialed alterations (See 37 CFR 1.52(c)).

10.  Other:

B. Applicant is required to provide:

1.  A statement signed by applicant giving his or her complete name. A full name must include at least one given name without abbreviation as required by (37 CFR 1.41(a)).
2.  Proof of authority of the legal representative under 37 CFR 1.44.
3.  An abstract in compliance with 37 CFR 1.72(b).
4.  A statement signed by applicant giving his or her complete post office address (37 CFR 1.33(a)).
5.  A copy of the specification written, typed, or printed in permanent ink, or its equivalent in quality as required by 37 CFR 1.52(a).
6.  Other: